

ABSTRACT OF THE DISCLOSURE

Disclosed is a sampling circuit for a receiver in a wireless communication device that eliminates the need for separate discrete filtering components that can be expensive and bulky.

5 The system utilizes techniques for ensuring that system components do not become saturated by blocker signals as a result of the removal of the discrete filter. Further, active filters are used in place of the discrete filter only when a blocker signal is present to minimize power consumption. In addition, the dynamic range of a sampling circuit can be altered in the presence of a blocker signal to ensure that the baseband signal is adequately detected.

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